

UBER, III -- 09/939,656
Client/Matter: 071419-0265228

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 12. (Cancelled)

13. (Currently Amended) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

a first fluid source;

a second fluid source; and

a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising a mixing device, a reusable portion for delivering fluid to multiple patients, and [[a]] at least one per-patient disposable portion removably connected to the reusable portion, the at least one per-patient disposable portion having a first end connected to the reusable portion and a second end connectable to a patient of the multiple patients.

14. (Previously Presented) The apparatus of claim 13, wherein the fluid path further comprises at least one metering device disposed between the first and second fluid sources and the mixing device.

15. (Previously Presented) The apparatus of claim 14, further comprising a control device in communication with the metering device.

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16. (Previously Presented) The apparatus of claim 13, wherein the fluid path further comprises a fluid assurance device disposed between the mixing device and the patient.
17. (Previously Presented) The apparatus of claim 13, wherein the first fluid source comprises a contrast source.
18. (Previously Presented) The apparatus of claim 13, wherein the second fluid source comprises a diluent source.
19. - 62. (Canceled)
63. (Previously Presented) The apparatus of claim 13 wherein the mixing device comprises a static mixer.
64. (Previously Presented) The apparatus of claim 13 wherein the mixing device comprises a Y element.
65. (Previously Presented) The apparatus of claim 14, wherein the at least one metering device comprises a peristaltic pump.
66. (Previously Presented) The apparatus of claim 13 wherein the fluid path further comprises a valve disposed therein.

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67. (Currently Amended) The apparatus of ~~Claim~~ claim 66 wherein the valve is a rotary valve.
68. (Previously Presented) The apparatus of claim 13 wherein the mixing device comprises a helical vane mixer.
69. (Previously Presented) The apparatus of claim 13 wherein the fluid path further comprises a pressurizing pump disposed between the first and second fluid sources and the patient.
70. (Previously Presented) The apparatus of claim 15, further comprising a user interface connected to the control device.
71. (Previously Presented) The apparatus of claim 15, further comprising an electronic interface connecting the control device to a hospital information system.
72. (Currently Amended) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:
a first fluid source;
a second fluid source; and
a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising:
a Y element;
a reusable portion for delivering fluid to multiple patients; and

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[[a]] at least one per-patient disposable portion removably connected to the reusable portion, the at least one per-patient disposable portion having a first end connected to the reusable portion and a second end connectable to a patient of the multiple patients.

73. (Previously Presented) The apparatus of claim 72, wherein the fluid path further comprises at least one metering device disposed between the first and second fluid sources and the Y element.

74. (Previously Presented) The apparatus of claim 73, further comprising a control device in communication with the metering device.

75. (Previously Presented) The apparatus of claim 72, wherein the fluid path further comprises a fluid assurance device disposed between the Y element and the patient.

76. (Previously Presented) The apparatus of claim 72, wherein the first fluid source comprises a contrast source.

77. (Previously Presented) The apparatus of claim 72, wherein the second fluid source comprises a diluent source.

78. (Previously Presented) The apparatus of claim 73 wherein the at least one metering device comprises a peristaltic pump.

79. (Previously Presented) The apparatus of claim 72 wherein the fluid path further comprises a valve disposed therein.

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80. (Previously Presented) The apparatus of claim 72 wherein the fluid path further comprises a pressurizing pump disposed between the first and second fluid sources and the patient.

81. (Previously Presented) The apparatus of claim 74, further comprising a user interface connected to the control device.

82. (Currently Amended) An injection apparatus for delivering fluid to multiple patients, the apparatus comprising:

- a first fluid source;
- a second fluid source; and
- a fluid path disposed between the first and second fluid sources and a patient, the fluid path comprising:
 - a static mixer;
 - a reusable portion for delivering fluid to multiple patients; and
 - [[a]] at least one per-patient disposable portion removably connected to the reusable portion, the at least one per-patient disposable portion having a first end connected to the reusable portion and a second end connectable to a patient of the multiple patients.

83. (Previously Presented) The apparatus of claim 82, wherein the fluid path further comprises at least one metering device disposed between the first and second fluid sources and the static mixer.

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84. (Previously Presented) The apparatus of claim 83, further comprising a control device in communication with the metering device.
85. (Previously Presented) The apparatus of claim 82, wherein the fluid path further comprises a fluid assurance device disposed between the static mixer and the patient.
86. (Previously Presented) The apparatus of claim 82, wherein the first fluid source comprises a contrast source.
87. (Previously Presented) The apparatus of claim 82, wherein the second fluid source comprises a diluent source.
88. (Previously Presented) The apparatus of claim 83 wherein the at least one metering device comprises a peristaltic pump.
89. (Previously Presented) The apparatus of claim 82 wherein the fluid path further comprises a valve disposed therein.
90. (Previously Presented) The apparatus of claim 82 wherein the fluid path further comprises a pressurizing pump disposed between the first and second fluid sources and the patient.
91. (Previously Presented) The apparatus of claim 84, further comprising a user interface connected to the control device.

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92. (New) The apparatus of claim 13, wherein the at least one per-patient disposable portion connects to the patient and the reusable portion during fluid delivery.

93. (New) The apparatus of claim 72, wherein the at least one per-patient disposable portion connects to the patient and the reusable portion during fluid delivery.

94. (New) The apparatus of claim 82, wherein the at least one per-patient disposable portion connects to the patient and the reusable portion during fluid delivery.